BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : IMPROVEMENTS TO FOOTPATH AND PROVIDING COBBLE STONES AT YELAHANKA NEW TOWN 5th PHASE BLOCK IN WARD NO.02 OF YELAHANKA SUB-DIVISION

Estimate Cost Rs. 35.00 Lakhs

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRRB M200-24 - dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces no exceeding 0.02 Cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 meters, stacking serviceable and unserviceable materials separately complete as per specifications. MORTH specifications. No. 202, (P.No. 138/ Item No. 18.47)								
		Cum							
			2	55.00	6.00	0.25	165.00		
							165.00	827.86	**136596.90**
	Basic Rate 781.00								
	Area Weightage @ 6% 46.86								
	Total 827.86								
2	KSRB 2-1.1 Earthwork in surface excavation in **ordinary soil** for **levelling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1)								
	for Road	Cum							
	3rd Cross Road		2	55.00	6.00	0.20	132.00		
			1	28.00	16.00	0.40	179.20		
			1	23.00	15.00	0.40	138.00		
			1	20.00	14.00	0.30	84.00		
			1	23.00	12.00	0.35	96.60		
			1	12.00	10.00	0.35	42.00		
							671.80	166.42	**111800.96**
	Basic Rate 157.00								
	Area Weightage @ 6% 9.42								
	Total 166.42								
	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
		Cum							
	Average Weight of Earth 1.28 Tonne/Km			Qty Vide Item No 1+2			**836.80**	100.00	**83680.00**

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00							
	Add loading and unloading Item No 17.1)	68.00							
	Total	**100.00**							
	KSRB 4-1.3 Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No KBS 4.1, 4.2 (P.12/I.4.3)								
		Cum							
			2	55.00	6.00	0.15	99.00		
							99.00	5159.02	**510742.98**
	Basic Rate 4867.00								
	Area Weightage @ 6% 292.02								
	Total 5159.02								
	KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.158 I.No.20.18)								
	5th Phase New town, yelahanka	Cum							
			1	28.00	16.00	0.15	67.20		
			1	23.00	15.00	0.15	51.75		
			1	20.00	14.00	0.15	42.00		
			1	23.00	12.00	0.15	41.40		
			1	12.00	10.00	0.15	18.00		
							220.35	1768.08	**389596.43**
	Basic Rate 1668.00								
	Area Weightage @ 6% 100.08								
	Total 1768.08								
	KSRB 14.6-2 : Providing and laying **heavy duty cobble stones 60 mm** thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (P No. 101 / Item No. 14.6)								
		Sqm							
	New Town 5th Phase		1	28.00	16.00		448.00		
			1	23.00	15.00		345.00		
			1	20.00	14.00		280.00		

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
			1	23.00	12.00		276.00		
			1	12.00	10.00		120.00		
							1469.00	966.72	**1420111.68**
	Basic Rate 912.00								
	Area Weightage @ 6% 54.72								
	Total 966.72								
	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete **(RMC)** M20 for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, for raft foundation, column footing, main and secondary beams with all lead and lifts etc.,complete (exclusive of cost of steel and fabrication charges.) Page No.18 / Item No. 4.48)								
	for road	Cum							
			2	55.00	6.00	0.125	82.50		
							82.50	6231.74	**514118.55**
	Basic Rate 5879.00								
	Area Weightage @ 6% 352.74								
	Total 6231.74								
	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift (P.177/ I.22.7)								
	for road	Sqm							
			2	55.00	6.00		660.00		
							660.00	95.40	**62964.00**
	Basic Rate 90.00								
	Area Weightage @ 6% 5.40								
	Total 95.40								
	Providing Groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine generator and HOM of machinery including cost of blade, coolant etc., including cleaning aof groove & providing sand and hot bitumen fillars and filler metal etc.,including cost of conveyance of all materials, labour,lead and lift charges and all the other incidental charges as per drawing and as per specifications, MORTH specification. (P.178/ I.22.8)								
	for road	m							
			6	6.00			36.00		
							36.00	121.90	**4388.40**
	Basic Rate 115.00								
	Area Weightage @ 6% 6.90								
	Total 121.90								
	5.29(b)Providing and fixing **pre cast solid cement concrete kerb stones** made out of No.272.21 C.C 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete (P.No.25 /It.No.5.30)								

No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
		No							
			2	173.00		345.00 / 0.45	768.89		
						Say	**760.00**	331.78	**252152.80**
	Basic Rate	313.00							
	Area Weightage @ 6%	18.78							
	Total	**331.78**							
	*SRB 15-19.2 Providing and applying **ready mix priming coat** over concrete/masonry/asbestos cement sheet/plastered surfaces including preparing the surface after throughly cleaning of oil,grease,dirt and other foreign matter and sand papering including cost of materials, labour, complete as per specifications. (Page no.121 / It no.15.80)								
		Sqm							
			2	173.00		0.40	138.40		
							138.40	27.56	**3814.30**
	Basic Rate	26.00							
	Area Weightage @ 6%	1.56							
	Total	**27.56**							
	*SRB 800-1 Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. (Page No 182 & Item No.24.1)								
		Sqm							
				Qty Vide Item No.11			**138.40**	63.60	**8802.24**
	Basic Rate	60.00							
	Area Weightage @ 6%	3.60							
	Total	**63.60**							
	Miscellaneous and unforeseen charges	LS							**1231.00**
							Grand Total Amount		**3500000.00**
		(Rupees Thirty Five Lakhs Only)							

CERTIFICATE

The site has been inspected and the work is found to be necessary.
The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
The provisions were made in this estimate are necessary and adequate.
The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No.02

Executive Engineer
Yelahanka Division
B.B.M.P

Technical Sanction
Accorded For 35.00 lakh Rs.
Head of A/C P3332
CER NO : 436 Dt: 27/12/17

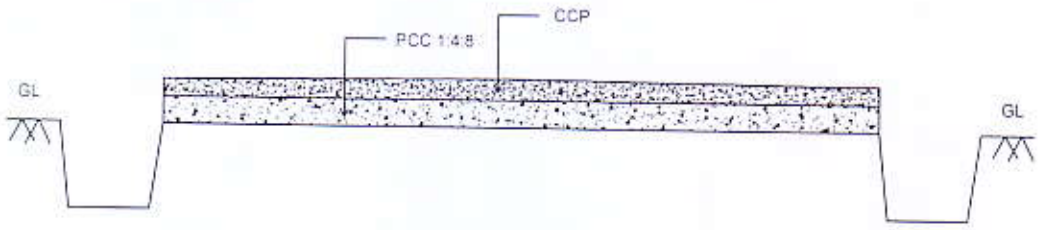
TA to CE (YNK)

35.00L
ADMINISTRATIVELY SANCTIONED FOR Rs.
Rupees Thirty five lakhs only

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P 706 AO - 00818-000004
Registered as EE ( )
Subject to conditions co
enclosed memo EE ( ) No
Dt Estimate /
J.C(4) salary No. 52/17-18
dated 27-12-2017 Rs. 35.00 lakhs

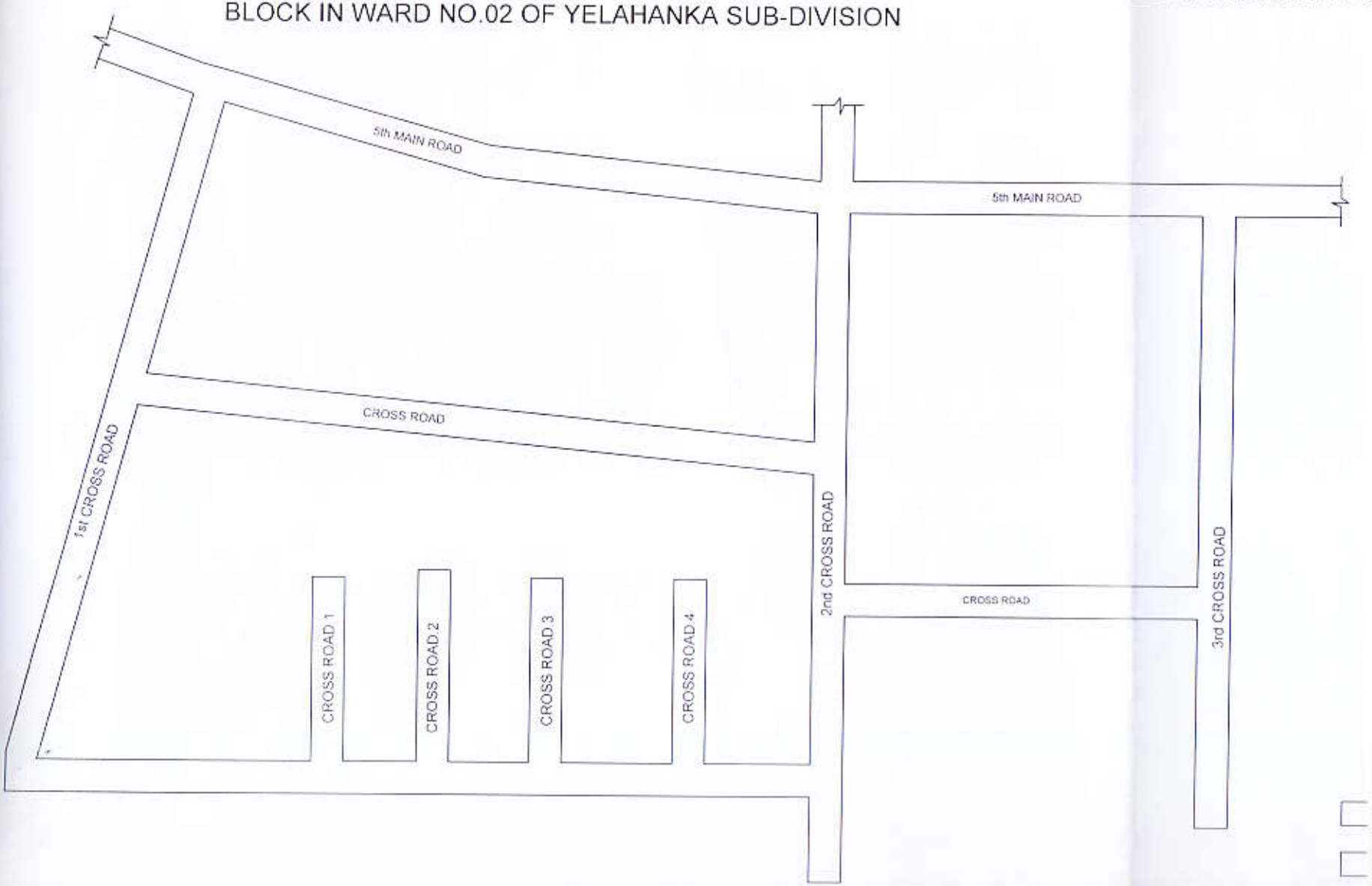
Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-9

NAME OF WORK : IMPROVEMENTS TO FOOTPATH AND PROVIDING COBBLE STONES AT YELAHANKA NEW TOWN 5th PHASE BLOCK IN WARD NO.02 OF YELAHANKA SUB-DIVISION



TYPICAL CROSS SECTION OF CC ROAD

NAME OF WORK : IMPROVEMENTS TO FOOTPATH AND PROVIDING COBBLE STONES AT YELAHANKA NEW TC BLOCK IN WARD NO.02 OF YELAHANKA SUB-DIVISION



Assistant Engineer
Ward No.02

Assistant Executive Engineer